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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/606,937	06/27/2003	Jurgen Lindigkeit	402692/HOEGER	4440
23548 7	590 08/03/2005	EXAMINER		IINER
LEYDIG VOIT & MAYER, LTD			JENKINS, DANIEL J	
700 THIRTEE SUITE 300	NTH ST. NW		ART UNIT	PAPER NUMBER
WASHINGTON, DC 20005-3960			1742	

DATE MAILED: 08/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Amplicantia			
		Application No.	Applicant(s)			
Office Action Survey		10/606,937	LINDIGKEIT, JURGEN			
	Office Action Summary	Examiner	Art Unit			
		Daniel J. Jenkins	1742			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address			
THE I - Exter after - If the - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be timed within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).			
Status						
1)🖂	Responsive to communication(s) filed on or ab	<u>out 7/12/05</u> .				
2a) <u></u> ☐	This action is FINAL . 2b) This action is non-final.					
3)[Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	33 O.G. 213.			
Dispositi	ion of Claims					
4) 🛛	Claim(s) <u>1-6</u> is/are pending in the application.					
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)□	5) Claim(s) is/are allowed.					
6)⊠	Claim(s) <u>1-6</u> is/are rejected.					
7)	Claim(s) is/are objected to.					
8)[_]	Claim(s) are subject to restriction and/or	r election requirement.				
Applicati	on Papers					
9)[The specification is objected to by the Examine	r.				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
	Replacement drawing sheet(s) including the correcti	* * * * *	, , ,			
11)	The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.			
Priority u	ınder 35 U.S.C. § 119					
12) 🗌 .	Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)	-(d) or (f).			
a) ☐ All b) ☐ Some * c) ☐ None of:						
	1. Certified copies of the priority documents have been received.					
•	2. Certified copies of the priority documents have been received in Application No					
	3. Copies of the certified copies of the prior	-	d in this National Stage			
* 0	application from the International Bureau	` ' '	a.			
3	See the attached detailed Office action for a list	or the certified copies not receive	u			
Attachment						
· —	e of References Cited (PTO-892)	4) Interview Summary	(PTO-413)			
2) 🔲 Notic	e of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da				
	nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date \	6) Other:	atent Application (PTO-752)			
S. Patent and Tr	·					

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1. The Examiner acknowledges that not all pending claims were addressed in the Rejection of 7/6/05. A new rejection correcting this Action is made at this time.

- 2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 3. Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Prasad US Pat. 4,459,263 (Prasad '263) in view of Prasad et al. US 2002/0004018 (Prasad et al.) and DE 4123606 (DE'606)

Prasad '263 discloses at col. 2, lines 56-68 the invention substantially as claimed.

Prasad '263 discloses a cobalt alloy comprising:

20-30% Cr;

0-6.5 % Mo;

0-15% W;

0-1.5% Mn; and

remainder Co.

Prasad '263 is silent as to Si and Ta additions, and the amount of impurities including nitrogen.

Prasad et al. teaches to add Si and Ta to Co alloys in the same field of endeavor to improve the corrosion resistance, to lower melting temperature and to strengthen the alloy.

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Both Prasad '263 and Prasad et al. disclose compositional ranges that overlap those as claimed by Applicant establishing a prima facie case of obviousness. Prasad '263 further discloses at Table 2, composition 6, wherein the amount of W is 10% and the amount of Mo is 2%.

It would have been obvious to one having ordinary skill in the art to add Ta and Si as taught by Prasad et al. to the invention of Prasad '263 in order to improve corrosion resistance, lower melting temperature and to strengthen the alloy.

DE'606 teaches to add N in an amount above 0.15% in the same field of endeavor for the purpose of improving the repeated heating without deterioration of the alloy. It would have been obvious to one having ordinary skill to add N in an amount of above 0.15% in order to improve the repeated heating without deterioration of the alloy. It would be obvious to minimize the amount of impurities to less than 0.1% as known in the art to improve the performance of the alloy.

4. Claims 4-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Prasad US Pat. 4,459,263 (Prasad '263) in view of Prasad et al. US 2002/0004018 (Prasad et al.) and DE 4123606 (DE'606), and further in view of Ingersoll et al. Prasad '263 in view of Prasad et al. and De'606 disclose the invention substantially as claimed (see paragraph 3 above).

However, Prasad '263 in view of Prasad et al. and De'606 do not disclose casting methods for forming the alloy into veneers and crowns.

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Ingersoll et al. teaches that dental alloys can be cast in the same field of invention for

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the purpose of forming crowns and veneers.

It would have been obvious to one having ordinary skill in the art at the time of the

invention to use a casting technique as taught by Ingersoll et al. in the invention of

Prasad '263 in view of Prasad et al. and De'606 in order to form veneers and crowns.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Daniel J. Jenkins whose telephone number is 571-272-

1242. The examiner can normally be reached on M-TH6:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Roy King can be reached on 571-272-1242. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Daniel J. Jenkins

Primary Examiner

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dj.